

FIRE CAM 1080

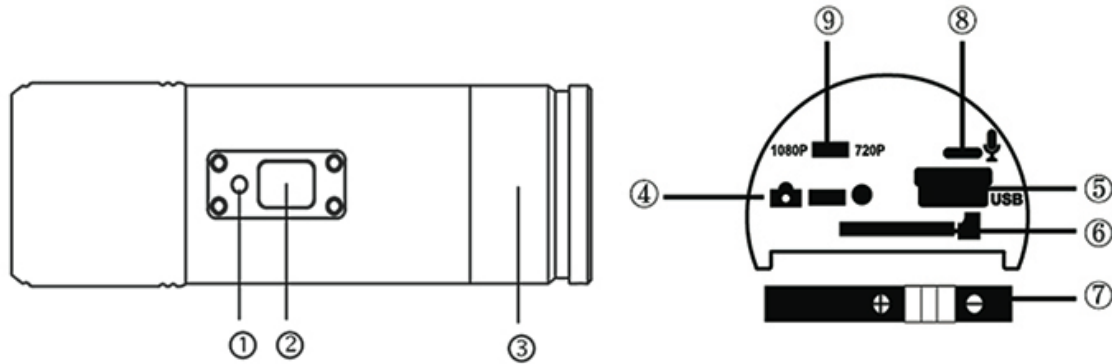
USER MANUAL



FIRE CAM
FIRE AND POLICE CAMERAS



OVERVIEW



1. LED
2. Power / Shutter
3. Rear Cap
4. Mode Switch
5. USB
6. Micro SD Card Slot
7. Battery
8. Microphone
9. 1080P / 720P Mode Switch

INITIAL SET UP

1. Make sure the Fire Cam1080 is OFF before adding or removing the memory card.
2. Unscrew the rear cap located at the back of the Fire Cam 1080.
3. **A CLASS 6 OR 10 MICRO SDHC SD CARD IS REQUIRED.** Install the SD memory card (max up to 64GB[Fat32 format]) into the rear slot.

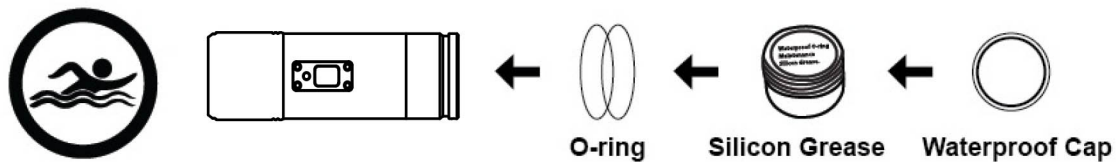
To insert the micro SD card, slide the micro SD card into the card slot on the back of the Fire Cam 1080 with the card label facing down. The micro SD card will click into place once it is inserted. Then replace the rear cap.

4. If no micro SD memory is inserted in the Fire Cam 1080, the LED on top of the camera will blink red and blue.
5. When using a micro SD memory card in the Fire Cam 1080, there should be no data from other devices on the card. If you are using a micro SD memory card for the first time in the Fire Cam 1080, first you should format the card in your computer (FAT32 FORMAT).



WATER RESISTANT AUDIO CAP (WITH HOLE) is used for standard firefighting conditions and enables the camera to be water resistant but NOT waterproof underwater. The hole allows audio to enter the unit for recording.

WATERPROOF CAP (WITH NO HOLE / NO AUDIO) is used for heavy water conditions which can submerge the camera. You will need to use 2 Orings and add some silicon grease from time to time, especially before using underwater. Make sure the rear **WATERPROOF CAP** (no hole) is firmly closed.



Charging the battery

Unscrew the rear cap located at the rear of the camera and Plug the USB charger into the camera. The charging LED is on while charging and will turn off when the battery is fully charged. On the first use, charge the battery 2~3 hours before use.

Take Video with Fire Cam 1080

Turn on the Fire Cam 1080 by pressing the Power/Shutter button once. The BLUE LED will be on and the RED LED flashes. This will indicate it is in standby mode and it will start recording automatically.

To STOP recording and save a file, simply press the button once. This will save the file to the SD card. **During operation, video files will automatically be saved every 5 minutes. You may choose to have files saved every 5, 10, 15, 20 or 30 minutes in the Date and Time settings.**

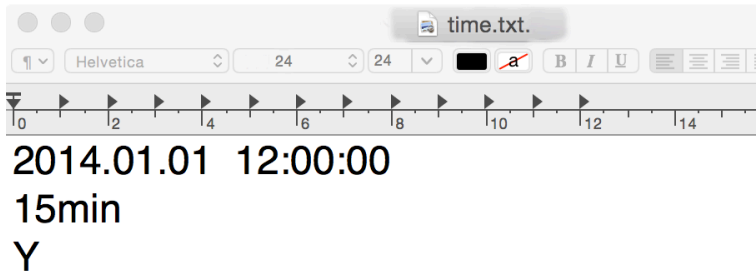
Turn OFF the Fire Cam 1080 by holding the button down for more than 2 seconds. The RED LED flashes and the unit will beep 6 times and turn OFF.

Card slot empty

If there is no Micro SD card in the Fire Cam 1080, the red and blue LED will flash for 30 seconds, then the camera will switch off automatically.

Date & Time Setting

Download the “time.txt” file from: www.FireCam.com



Open the file “time.txt” and change the date & time as follows:

(1) YYYY.MM.DD hh:mm:ss

Y = year

h = hour

M = month

m = minutes

D = day

s = second

(2) Video Segmentation

The default setting is 5min. You may choose 10min/15min/20min
30min.

(3) Y/N?

Y = show the date & time stamp on videos and photos

N = do not show the date & time stamp on videos and photos

Then copy the file to the formatted SD card. Now take a video or
photo to test it.

Take Still Pictures

To take still pictures with the Fire Cam 1080, make sure that the Video/Photo switch is set to the left for photo mode. Turn on the Fire Cam 1080 by pressing the Power button.

The camera will start taking photos automatically, the red LED will blink. Press the Power/Shutter button again to stop taking photos and to go back to the standby mode.

In photo mode the Fire Cam 1080 will take photos every 3 seconds. It stops automatically if the battery is empty or if the micro SD card is full.

Transfer files on your computer

Unscrew the rear cap, switch to right for video mode, connect with your computer via USB cable from the USB port, then turn on the camera. The camera will recognize automatically as USB device. Or you can take out the micro SD card and use your own card reader to connect with your computer.



Caution!

The camera must be powered on while connected with computer for data download. Don't remove the battery! When you remove the battery while the video is playing, damage to your video data will occur!

Do not remove the USB cable under "Mass Storage" status!
Please switch off the camera before removing the USB cable!

On a MAC

Simply plug the Fire Cam 1080 into your MAC with the included USB cable, turn your the camera on and the MAC OS will recognize the Fire Cam 1080 as an external hard drive.

IMPORTANT TIP FOR MAC USERS

When deleting files from your MicroSD card, you must empty the trash before removing it or unplugging the Fire Cam 1080. If you do not empty your trash, the photos and video files will not be erased from your card.

Removing/Installation battery

The battery is designed to be very tight inside of the camera to maximize reliability in high vibration activities. To remove the battery, pull it straight out. Intentionally it is not easy to do, but the battery will remove.

LED Status

Status Table	Green LED	Red LED	Blue LED
Standby	Off	Off	On
Battery Charging	On	Off	Off
Taking Video	Off	Flashing	On
Taking Photo	Off	Flashing	On
Low Battery	Off	Speedy Flashing	On
No micro SD Card	Off		On
Micro SD Card Fill Up	Off		On
Data Transfer	Off		On

THE SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Optics:

- FISHEYE view @1080p
- Ultra Wide Angle view @720p Mode
- f/1.8, fixed focus glass lens
- optical lens: $\varnothing$ 15mm FISHEYE Lens
- Lens Construction: 5 Elements

Video:

- Full HD Resolution Settings: 1080p: 1920x 1080 @ 30fps
- HD Resolution Settings: 720p: 1280x 720 @ 60fps
- Video Format: MOV
- Exposure Control: Auto
- White Balance: Auto

Audio:

- Built-in microphone

Photo:

- Resolution: 4032 x 3024
- Camera: 12.0 Mega Pixels
- Format: JPEG
- Capture mode: Auto snapshot every 3 seconds

Storage:

- Memory: Micro SDHC SD card up to 64GB(Fat32) capacity (required Class 6 or 10)
- Avg. Record Time: 5~10min/GB

Product size: 110 x 32 x 32 mm

Weight: 110g

Operating System (for USB drive): WIN XP, 7, 8, Vista; Mac OS X 10.8.4+



Mounting the Fire Cam BlackJack Holder

With set screws loose, fit the BlackJack mount on the right or left brim of the fire helmet. It can be installed above the brim or below the brim depending on the view from your camera. Snug the 2 set screws on the brim **BEING CAREFUL NOT TO OVER TIGHTEN**. Place the camera inside of the BlackJack mount making sure the button is on the top and camera is level. Tighten down the set screw to hold the camera **BEING CAREFUL NOT TO OVER TIGHTEN**. If the set screw starts to make marks on the camera, this will not damage the integrity of the unit. A small piece of black tape can help limit the marks.

WARRANTY / DISCLAIMER:

Abuse of Camera IS NOT covered under warranty. Fire Cam warrants its products against defects in material or workmanship for 12 months from date of purchase unless otherwise specified. The Fire Cam Mini HD and the Fire Cam 1080 Fire Helmet Cameras warranty are limited to the replacement or repair of the defective item at no charge if we determine the item to be defective. This warranty also includes the "Fire Cam Damage" warranty. If the cameras components get damaged in a fire, you are covered for one free replacement. This warranty shall not apply to any item subject to misuse including such as failure by buyer to follow instructions, product modification, ordinary wear and tear, negligent or improper operation. Abuse of camera, cable or accessories IS NOT covered under the warranty. Electronic damage due to over-voltage, incorrect polarity from product power supplies, or incorrect MAINS voltage is not covered under the warranty. **DO NOT USE ANY AFTERMARKET CHARGERS FOR YOUR CAMERAS.** Fire Cam chargers are designed specifically for Fire Cam's only. Modification, repair, or attempted repair by anyone other than Fire Cam or without the written permission of Fire Cam will void this warranty. This warranty covers the cost of factory repair, labor and parts on eligible equipment which is returned. Equipment, which is repaired under this warranty will be returned freight prepaid. If it is determined that the Fire Cam does not need repair, the purchaser shall pay for return shipping charges. Disclaimer: Fire Cam does not assume any responsibility for any accidents or injuries incurred to the user of the Fire Cam Fire Helmet Camera.

WARNING!

Firefighting is a dangerous activity and should only be performed by a trained professional. The end user of Fire Cam products assumes all responsibility connected with the use of this product including but not limited to continuing education, and activity that conforms to local Standard Operating Procedures. Neither the manufacturer nor any distributor assumes any liability for injuries sustained while using Fire Cam products. The Fire Cam® Fire Helmet Cameras™ are manufactured of anodized aluminum, and may retain heat for several minutes after being exposed to a heated environment such as a structure re or training re so it needs to be handled with care. The end user is responsible for installation consistent with the mounting instructions, as well as regular safety inspections of the BlackJack Holder and Fire Cam Fire Helmet Cameras. For further questions, please go to www.FireCam.com under the "contact us" page.

SHIPPING AND RETURNS:

Orders within the United States are shipped by ground which takes 3-5 business days depending on your location in the US. We will make all efforts to ship your order within 2-3 business days of receipt. We do not ship on Saturdays and Sundays. All orders placed on Saturday and Sunday will be processed that following Monday. During the holidays and Sundays, our order processing time may increase. Fire Cam charges sales tax for orders shipped to Illinois. Recipients of orders shipped to other states are responsible for complying with state and local tax laws. You will receive an emailed confirmation, if you provided it with your order. Fire Cam ships to PO boxes via USPS.

International Shipping:

We ship to the United States and most other Countries. For orders shipped outside of the United States, your order will be shipped via USPS standard mail. Delivery times vary by destination, most orders should arrive within 21 days of shipment. All payments are made in US Dollars. The order total does not include customs duties or international taxes. The customer is responsible for any non-US taxes or import duties which may be levied by local authorities. Please check your countries import and taxation policies before ordering.

Returns:**3 REASONS FOR RETURNS:**

1. Defective item.
2. Wrong item received.
3. Departmental policy that prevents use of the camera.

*All returns must be authorized. *

To receive authorization for a return, you must contact customer service at www.FireCam.com under the Contact Us page to obtain a Return Authorization number known as an RA #. Upon approval, an RA form will be emailed which must be completed in full and returned with item(s). All returns that are not exchanged for another item can be refunded only within 14 days of the original purchase date and refund is subject to a 15% restocking fee and the item MUST be UNUSED / NOT DAMAGED and in the ORIGINAL box. If the requested items are not in stock by the time we process your RA, your credit card will be refunded for the value of the items returned to our warehouse to avoid further delay on your request. (in which case the 15% restocking fee will be waived).

Once you receive your RA #, you must ship the item(s) back within 7 business days to receive an exchange or the RA # will become null and void. You will be responsible for the return shipping costs. We do not refund shipping costs on returns and or exchanges.

Pack your item(s) in the original shipping box if possible and insure your package for the full value of merchandise and return it to us using the delivery service of your choice. We are not responsible for lost or damaged return packages. We will notify you via e-mail once your return has been processed.

ALL Fire Helmet Cameras™ are covered under the "Fire Cam Damage" warranty throughout the warranty period. If your cameras components accidentally get damaged in a fire, you are covered for one FREE replacement. This warranty ONLY applies to customers who purchase directly from Fire Cam unless a distributor of Fire Cam otherwise specifies. Fire Cam products are not recommended for concrete training towers or flashover chambers where it could sustain high temps for long periods of time and this warranty will not apply to repeated abuse of the product. We are the ONLY Fire Helmet Camera™ manufacturer and the ONLY company that offers this type of warranty. Please go to www.FireCam.com for more information.